



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

1258-1396

Date of Issuance:

3/12/2020

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

IWC 5120-50 Molluscicide

Name and Address of Registrant (include ZIP Code):

Ms. Stephanie Stephens
Arch Chemicals, Inc.
1200 Bluegrass Lakes Parkway
Alpharetta, GA 30004

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(B). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Eric Miederhoff
Product Manager 31
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Date:

3/12/2020

2. You are required to comply with the data requirements described in the DCI or EDSP Order identified below:

- a. N-Alkyl (C14, 50%; C12, 40%, C16, 10%) dimethyl benzyl ammonium chloride GDCI-069105-30882; GDCI-069105-1679

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI or EDSP Order listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 1258-1396."
4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 10/24/2019

If you have any questions, please contact Karen M. Leavy by phone at (703)-308-6237, or via email at Leavy.Karen@epa.gov.

Enclosure

Note to reviewer:

[Items in brackets [AAA] are optional and may/may not be included on final label]

{Items in braces {AAA} are for information purposes and will not appear on final label}

IWC 5120-50 Molluscicide

[For the Control of Mollusks and Algae, Non-Public Health Bacterial and Fungal slimes in Once-Through and Closed-Cycle Fresh and Sea Water Cooling Systems, as a Slimicide for Pulp and Paper Mills]

Active Ingredient:

n-Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride50.0%

Other Ingredients:.....50.0%

Total 100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER [PELIGRO]

[Note to Reviewer. The signal word for this product is "DANGER". The following components of this master label, at a minimum, will appear on the front panel of all distribution labels. If the distribution label has a single panel and multiple columns, these components will appear in the center column or in an immediately adjacent column: Product Brand Name, Ingredient Statement, Signal Word, Child Hazard Warning, First Aid Statement, Company Name and Address, EPA Registration Number, EPA Establishment Number.]

See [side] [back] [right] [left] panel for Additional Precautionary Statements

FOR HELP IN A CHEMICAL EMERGENCY CALL CHEMTREC 800-424-9300

BEFORE USING CONSULT MATERIAL SAFETY DATA SHEET

EPA Registration No. 1258-RGOA

EPA Establishment No. 6836-IL-1

Net Contents: *(as indicated on container)*

[DOT symbols]

[Country of origin *(insert country)*]

[Manufactured in *(insert country)*]

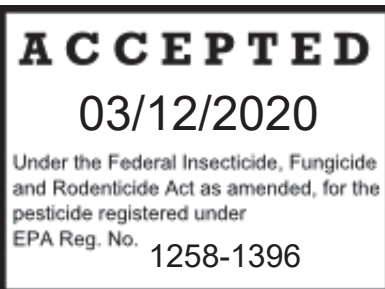
[Barcode]

[Manufactured] [Sold] [Distributed] [for] {or} [by]:

Arch Chemicals, Inc.

1200 Bluegrass Lakes Parkway

Alpharetta, GA 30004



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. CORROSIVE. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Wear chemical goggles, protective clothing, and rubber gloves. May be fatal if swallowed, absorbed through the skin, or inhaled. Do not breathe vapor. Wear a minimum of a filtering face piece NIOSH approved respirator (TC-84A) with any N filter. Higher level respirators that are NIOSH approved for particulates can also be used. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

COMBUSTIBLE. Do not use or store near heat or open flame.

*{If the following Spanish statement is used, it must appear directly above DIRECTIONS FOR USE.}
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)*

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

IWC 5120-50 MOLLUSCICIDE IS INTENDED FOR INDUSTRIAL USE

FOR THE CONTROL OF MOLLUSCA, NON-PUBLIC HEALTH BACTERIA, FUNGI AND ALGAE

When used as directed, **IWC 5120-50 Molluscicide** helps to effectively control algae, non-public health bacteria, fungi and macrofouling species such as clams, barnacles, and mussels in commercial and industrial recirculating and once-through cooling systems, influent water systems, brewery pasteurizers, auxiliary water systems and waste water systems. Product addition is to be made with a metering pump. Product is fed continuously or on an intermittent basis depending in the degree of system fouling and retention time.

NON-PUBLIC HEALTH BACTERIAL, FUNGAL, AND ALGAE CONTROL IN RECIRCULATING, AUXILIARY AND WASTE WATER SYSTEMS, AND PASTEURIZERS

INITIAL DOSE: Add **IWC 5120-50 Molluscicide** at an initial dosage of 0.2-0.4 gallons per 5,000 gallons of system water [20-40 ppm]. Repeat until the desired level of control is achieved. Heavily contaminated systems must be pre-cleaned.

SUBSEQUENT DOSE: Once control is achieved, add maintenance dosages of 0.2-0.8 quarts of **IWC 5120-50 Molluscicide** per 5,000 gallons of system water [5-20 ppm] weekly or as needed to maintain control. Apply **IWC 5120-50 Molluscicide** to a point in the system where it will be uniformly mixed and distributed, such as the tower sump.

MACROFOULING CONTROL IN RECIRCULATING AUXILIARY COOLING WATER AND WASTE WATER SYSTEMS

INITIAL DOSE: For the control of macrofouling growth such as clams, barnacles, and mussels, add 0.3-2.6 fluid ounces of **IWC 5120-50 Molluscicide** per 1,000 gallons of system water [1-10 ppm]. Repeat as necessary to achieve control.

SUBSEQUENT DOSE: When control is evident add 0.3-1.3 fluid ounces of **IWC 5120-50 Molluscicide** per 1,000 gallons of system water (1-5 ppm) as needed to maintain control.

Do not apply to potable or domestic water systems. Do not use water containing residues from use of this product to irrigate crops used for food or feed. Use of the product in either public/municipal or single or multiple family private/residential potable/drinking water systems is strictly prohibited. Use of the product in any cooling water system that discharges effluent within 1/4 mile of either a public/municipal or single or multiple family private/residential potable/drinking water intake is strictly prohibited.

Heavily contaminated systems must be precleaned.

PAPER MANUFACTURING [FOR CONTROL OF NON-PUBLIC HEALTH BACTERIAL, FUNGI AND ALGAE]

IWC 5120-50 Molluscicide can be used as a slimicide in the manufacture of paper and paperboard that contacts food.

Apply 0.05-10 gallons of **IWC 5120-50 Molluscicide** per ton of paper produced. Alternatively, apply 0.1-20 gallons of **IWC 5120-50 Molluscicide** per 100,000 gallons of white water to be treated [0.5-100 ppm]. Additions of **IWC 5120-50 Molluscicide** are made at a point in the system where mixing action is good.

ONCE-THROUGH COOLING WATER SYSTEMS

Wear safety glasses, rubber gloves and impervious apron. Add product directly from drum or add the product at a point where it will be mixed uniformly. Do not discharge without performing proper deactivation. To perform deactivation use Bentonite Clay. The minimum ratio to be used is 5 ppm of clay to 1 ppm of product. Do not use more than 4 times a year. Treatment time can not exceed 120 hours/application. Avoid oxidizers and reducing agents. Product is cationic and is not to be mixed with soap or anionic surfactants.

INTERMITTENT FEED

INITIAL DOSE: When the system is noticeably fouled, add **IWC 5120-50 Molluscicide** at a dosage of 0.3-2.6 fluid ounces per 1,000 gallons of water [1-10 ppm] based on system flow rates. The minimum treatment period should be 6 to 24 hours. Repeat as necessary to achieve control.

SUBSEQUENT DOSE: When control is evident, add **IWC 5120-50 Molluscicide** at a dosage of 0.15-1.3 fluid ounces per 1,000 gallons of water [0.5-5 ppm] based on system flow rates on an as needed basis to maintain control. Frequency of feed should be tied to an in-plant monitoring program for macrofouling growth.

CONTINUOUS FEED

INITIAL DOSE: When the system is noticeably fouled, add **IWC 5120-50 Molluscicide** at a dosage of 0.15-1.3 fluid ounces per 1,000 gallons of water [0.5-5 ppm] based on system flow rates. Continue to feed until needed control is achieved.

SUBSEQUENT DOSE: Maintenance control can be effective through continuous feed of **IWC 5120-50 Molluscicide** at a dosage of 0.05-0.5 fluid ounces per 1,000 gallons of water [0.2-2 ppm] based on system flow rates.

Heavily contaminated systems must be precleaned.

WATER SOLUTIONS TO PREPARE FIBER GLASS SIZING

IWC 5120-50 Molluscicide can be used as a biocide for control of non-public health bacteria and fungi in the water solutions that are used to prepare fiber glass sizing. Add 0.1 to 1 gallon of **IWC 5120-50 Molluscicide** per 1000 gallons of water that is to be used to prepare a fiber glass sizing solution in order to provide 50 to 500 ppm of active quaternary amine.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Open dumping is prohibited. Store in original container in areas inaccessible to children.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling:

(For Nonrefillable Plastic containers \leq 5 gallons)

Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Fill container 1/4 full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

(For Nonrefillable Plastic containers $>$ 5 gallons but \leq 100 gallons)

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple Rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

(For Nonrefillable Containers $>$ 100 gallons)

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. To clean the container, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Return to point of sale or offer for recycling if available or reconditioning if appropriate.